Title (en)

GEAR UNIT HAVING A PLURALITY OF DRIVE SPEEDS

Title (de)

GETRIEBEEINHEIT MIT MEHREREN ANTRIEBSGESCHWINDIGKEITEN

Title (fr)

UNITÉ DE TRANSMISSION DOTÉE DE PLUSIEURS VITESSES D'ENTRAÎNEMENT

Publication

**EP 3503781 A1 20190703 (DE)**

Application

**EP 17748737 A 20170803**

Priority

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- EP 2017069618 W 20170803

Abstract (en)

[origin: WO2018036775A1] A gear unit (4) for a food processor is described, which gear unit (4) comprises a first gear stage (7, 37, 46) with a first sun gear (20, 42, 47) and at least one first planetary gear (25, 43, 48) which is in engagement with the first sun gear and is mounted rotatably on a planetary carrier (23, 51), and a first coupling piece (24, 45, 50) for receiving a first shaft of a first tool, wherein the first coupling piece (24, 45, 50) is connected to a first planetary gear (25, 43, 48) of the first gear stage (7, 37, 46). In addition to the first coupling piece (24, 45, 50), a second coupling piece (22, 44, 53) for receiving a second shaft of a second tool is mounted rotatably on or in the planetary carrier (23, 51), wherein the gear unit (4) is designed to drive the second coupling piece (22, 44, 53) in such a way that the second coupling piece (22, 44, 53) corotates with the planetary carrier (23, 51) with a different characteristic rotation than the first coupling piece (24, 45, 50). As a result, every tool can be driven at a suitable rotary speed, with a suitable rotational direction and with a suitable torque for the respective tool.

IPC 8 full level

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